



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Water Rights

KENT L. JONES  
State Engineer/Division Director

February 21, 2013

RE: Stream Channel Alteration No. 13-43-03SA  
Un-named  
Duchesne County

Attached is a copy of an application to alter a natural stream, which has been submitted to the Division of Water Rights (Division) for processing.

In processing this application, the Division will work to determine if the project will:

- Unreasonably or unnecessarily affect any recreational use or the natural stream environment;
- Unreasonably or unnecessarily endanger aquatic wildlife;
- Unreasonably or unnecessarily diminish the natural channel's ability to convey high flows; or
- Impair vested water rights.

Any decision made regarding this application will be based exclusively on these four criteria. If you have information regarding these four criteria that will aid the Division in making a determination and subsequent decision, please submit this information, in writing, to this office prior to **March 13, 2013**. For questions or comments pertaining to all other aspects of the project, please contact the applicant listed on the front page of the application directly.

Sincerely,

*Tiffany Gonzales*  
for Daren Rasmussen, P.G.  
Stream Alteration Specialist

Pc: Richard Clark - EPA  
Corps of Engineers  
Supervisor - U. S. Fish & Wildlife  
Bob Leake - Regional Engineer  
Miles Hanberg - Regional Wildlife Habitat Manager  
Carmen Bailey - Aquatic Habitat Coordinator  
Bill Damery - DEQ, Water Quality Division  
Laura Ault - Forestry Fire & State Lands  
Kelly Beck - RDCC Coordinator  
State Parks & Recreation  
Lori Hunsaker - State History  
W. D. Robinson - Department of Agriculture  
Judy Watanabe - CEM





Rec. by \_\_\_\_\_  
 Fee Rec. 4500  
 Receipt # 13-00674

State Engineer

RECEIVED  
FEB 20 2013  
WATER RIGHTS  
SALT LAKE  
SC

Rec'd 21 Feb 2013 : DRR



Alternatives (other ways to accomplish project purpose):

There is no other feasible alternative that would maintain functionality and safety of the public roadway.

Describe any proposed mitigation to offset impacts to the stream channel.

Mitigation will include a riprap apron installed downstream of culverts to direct flow into original channel and protect from scour during high flows. No further bank stabilization measures will be taken. This stream channel is considered intermittent, with flows occurring after storm events, snow melt, or irrigation runoff.

Cultural resource impacts:

Are you aware of any cultural resources or any historic properties that will be impacted by the proposed project? ☐ Yes ☒ No

If Yes, please explain:

Has a cultural resource survey been conducted on the property where the proposed project is to occur?

☐ Yes ☒ No

If Yes, please briefly explain the survey results:

List other authorizations required by Federal, state, or local governments (i.e.: National Flood Insurance Program), and the status of those authorizations.

Estimated starting date of project:

March 29, 2013

Estimated completion date:

September 1, 2013

**Please complete the following checklist**

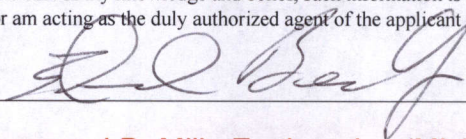
**Failure to indicate that all pertinent information has been submitted will result in your application being returned.**

- ☐ Appropriate application processing fee payment (see fee schedule below).
- ☐ A clear site location map with enough detail to easily find the site, a recent aerial/satellite image of the site, and a USGS topography map (7.5 minute quadrangle map is recommended).
- ☐ Plan view and cross-sectional drawings showing all work requiring a permit, including fills, structures, borrow sites, staging areas and storage areas. The drawings must clearly demarcate the ordinary high water mark of the waters of the U.S. to be impacted. Professional drawings are not required; however, drawings must be scaled or indicate dimensions of the work to be completed.
- ☐ A restoration plan for any areas temporarily disturbed during work, including re-contouring, revegetation with appropriate native plants and maintenance and monitoring to ensure success for the restored area.
- ☐ Ground photographs taken from various locations of the proposed disturbance area.
- ☐ Please check the box if the proposed project involves bank stabilization or protection. If so, please complete the following:
  - ☐ A narrative demonstrating the proposed activity incorporates the least damaging bank protection methods. These methods include, but are not limited to, the use of bioengineering, biotechnical design, root wads, large woody debris, native plantings, and beach nourishment in certain circumstances. If rock must be used due to site erosion conditions, explain how the bank stabilization structure incorporates elements beneficial to aquatic organisms.



- ☐ A description of current and expected post-activity sediment movement and deposition patterns in and near the activity area.
- ☐ A description of current and expected post-activity habitat conditions, including the presence of fish, wildlife and plant species in the activity area.
- ☐ An assessment of the likely impact the work would have on upstream, downstream and cross-stream properties (at a minimum the area assessed should extend from the nearest upstream bend to the nearest downstream bend of the watercourse). Specifically, discuss how the project will impact the following:
  - Will the activity accelerate deposition or erosion?
  - Will impacts to sensitive species or habitats result from a change in suspended sediment load or turbidity?
  - Will the activity affect the diversity of the channel by eliminating in-stream habitat, meanders, or gravel bars?
  - Will the activity result in a shift in the main flow patterns?
- ☐ A planting plan which involves the use of native riparian plants, unless the applicant demonstrates it is not appropriate or not practicable.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant which is a (check one of the following) commercial ☐, non-commercial ☐, or governmental ☒ entity.

Signature of Applicant  Date: 2-13-2013

I hereby certify that Jones and DeMille Engineering (Michael Hawley) is acting as my agent on this project.

Agent's address and telephone number: 187 West Lagoon Street (45-13) Roosevelt UT 84066 Phone: 435.722.8267

### Filing Instructions

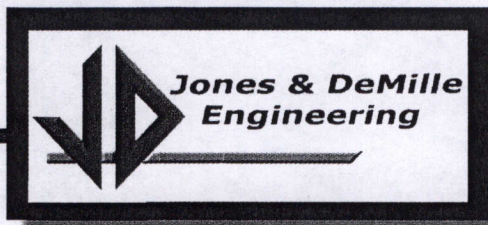
Application supplements should be submitted on paper no larger than 11 x 17 inches or alternatively as PDF format electronic files. If more than one watercourse is to be altered as a result of the project, a separate application must be submitted for each watercourse. Application fees must be received by the Division of Water Rights at the time of application submission and must be either hand delivered or submitted through standard mail.

### Application Processing Fees

Application fees are based on the type of entity applying for the proposed stream alteration project.

Commercial Entities:	\$2000.00	per application processed.
Non-Commercial Entities:	\$100.00	per application processed.
Governmental Entities:	\$500.00	per application processed.





1535 South 100 West  
Richfield, UT 84701  
435.896.8266

[www.jonesanddemille.com](http://www.jonesanddemille.com)

## TRANSMITTAL

**DATE:** February 5, 2013

**TO:** Department of Natural Resources  
Division of Water Rights  
1594 West North Temple, Suite 220  
Salt Lake City, UT 84114-6300

**ATTENTION:** Daren Rasmussen

**PROJECT:** Duchesne County Special Service District #2 – County Road 33 Reconstruction

**PROJECT NO.:** 1112-027

**ENCLOSED PLEASE FIND THE FOLLOWING:**

Stream Alteration Permits (2) – Wells Draw STA 95+50 and Un-Named Stream STA 117+65

**REMARKS:**

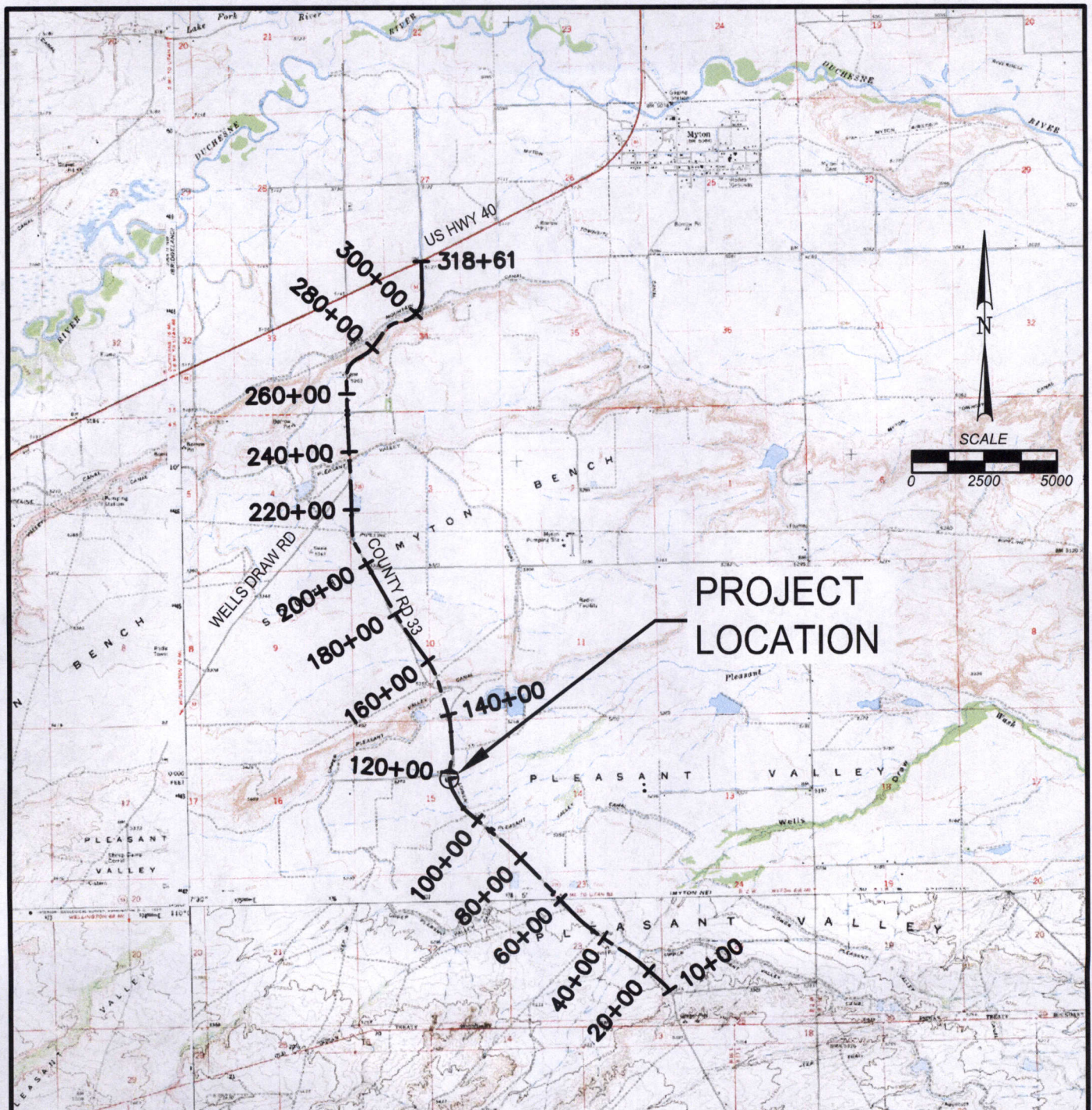
Please find the attached Joint Permit Application Forms with associated Location Maps, Details, and Photos sheets. Feel free to contact Michael Hawley at Jones and DeMille Engineering at 435.722.8267 or by email at [michael@jonesanddemille.com](mailto:michael@jonesanddemille.com).

Thank you.

**BY:** Michael Hawley, PE

**cc:** Carrie Mascaro, Duchesne SSD #2

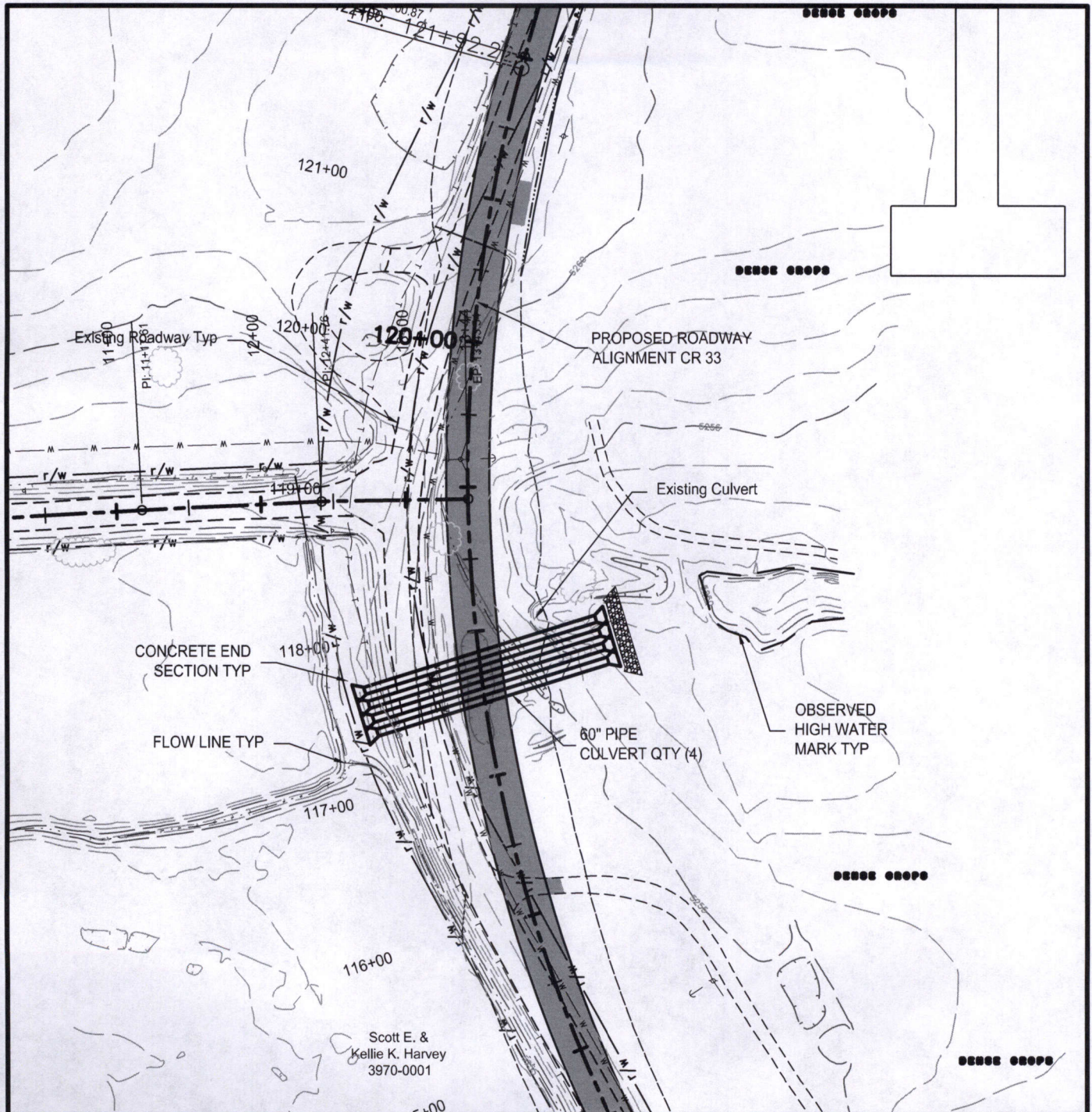




# *PROJECT LOCATION MAP*

PIPE CULVERTS ON UN-NAMED  
INTERMITTENT STREAM  
APPLICANT: DUCHESNE COUNTY  
SHEET NO. 1  
SEC. 15, T. 4S., R. 2W., U.S.B.&M  
STA: 117+65  
DATE: JANUARY 21, 2013

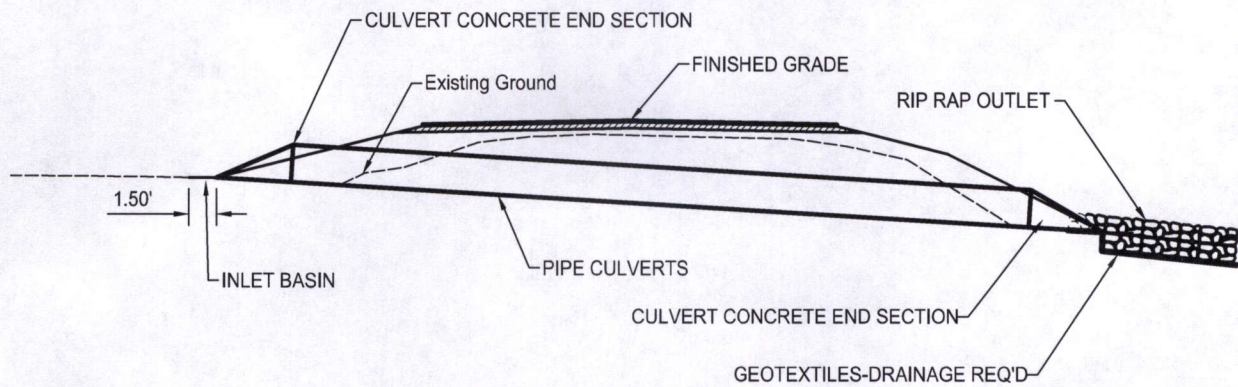




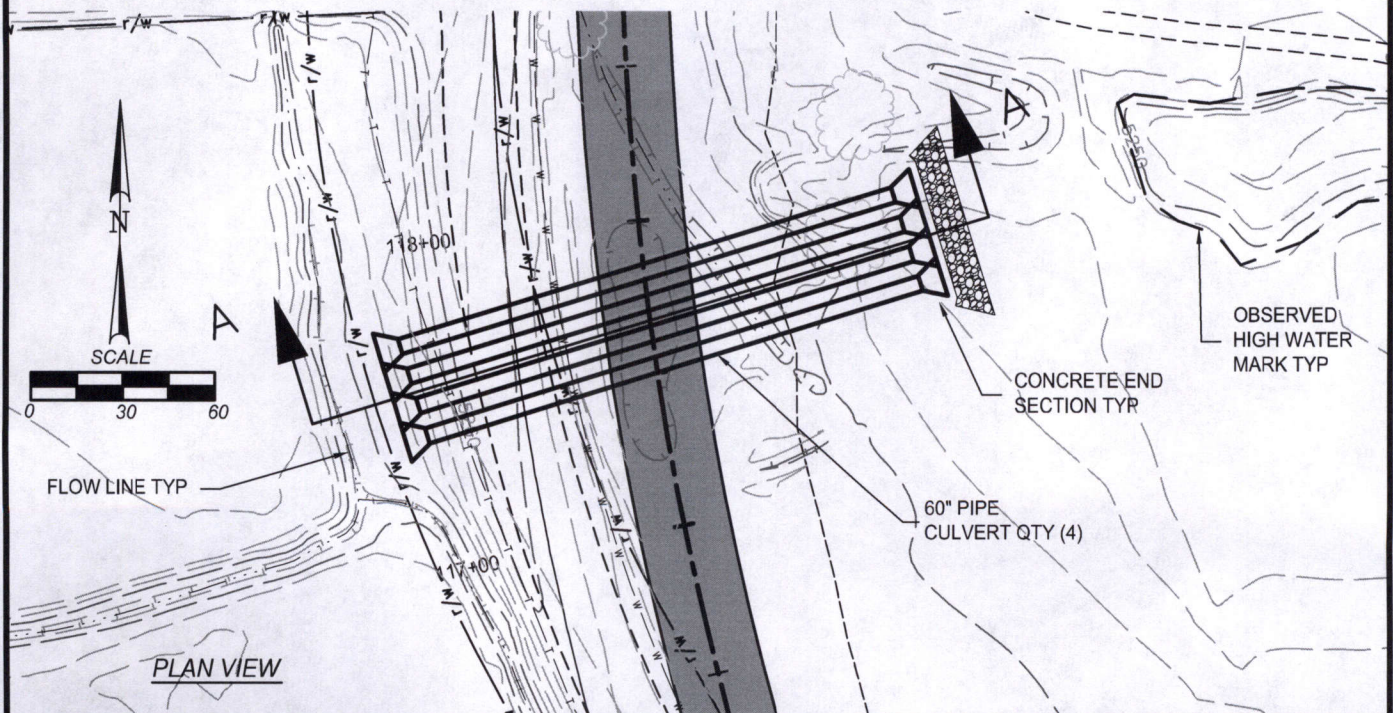
# PROJECT VICINITY MAP

PIPE CULVERTS ON UN-NAMED  
INTERMITTENT STREAM  
APPLICANT: DUCHESNE COUNTY  
SHEET NO. 2  
SEC. 15, T. 4S., R. 2W., U.S.B.&M  
STA: 117+65  
DATE: JANUARY 21, 2013





SECTION A-A



# *PLAN VIEW & SECTION DETAILS*

PIPE CULVERTS ON UN-NAMED  
INTERMITTENT STREAM  
APPLICANT: DUCHESNE COUNTY  
SHEET NO. 3  
SEC. 15, T. 4S., R. 2W., U.S.B.&M  
STA: 117+65  
DATE: JANUARY 21, 2013





UPSTREAM OF CULVERT



DOWNSTREAM OF CULVERT

## PHOTOS

PIPE CULVERTS ON UN-NAMED  
INTERMITTENT STREAM  
APPLICANT: DUCHESNE COUNTY  
SHEET NO. 4  
SEC. 15, T. 4S., R. 2W., U.S.B.&M  
STA: 117+65  
DATE: JANUARY 21, 2013